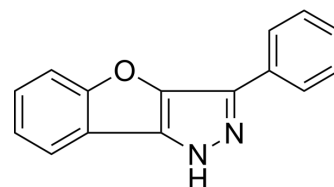


GTP-14564

Cat. No.:	HY-110026		
CAS No.:	34823-86-4		
Molecular Formula:	C ₁₅ H ₁₀ N ₂ O		
Molecular Weight:	234.25		
Target:	FLT3		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (533.62 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.2689 mL	21.3447 mL	42.6894 mL
	5 mM	0.8538 mL	4.2689 mL	8.5379 mL
	10 mM	0.4269 mL	2.1345 mL	4.2689 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

GTP-14564 is a tyrosine kinase inhibitor targeting to internal tandem duplication (ITD) and FLT3. GTP-14564 inhibits FLT3 ligand-dependent growth in Ba/F3 leukemia cells^[1].

REFERENCES

[1]. Murata K, et al. Selective cytotoxic mechanism of GTP-14564, a novel tyrosine kinase inhibitor in leukemia cells expressing a constitutively active Fms-like tyrosine kinase 3 (FLT3). J Biol Chem. 2003 Aug 29;278(35):32892-8.

Caution: Product has not been fully validated for medical applications. For research use only.

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